

# Range-wide Golden-winged Warbler Conservation Initiative



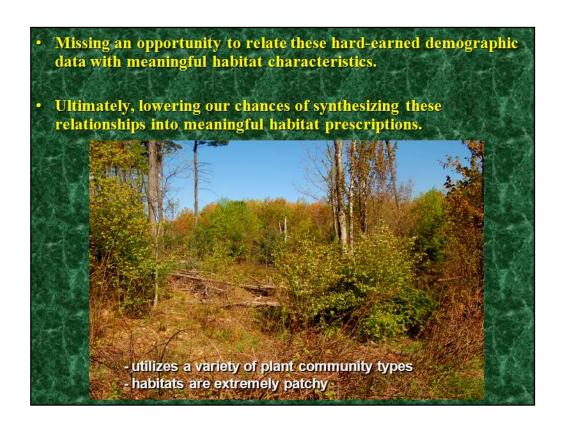


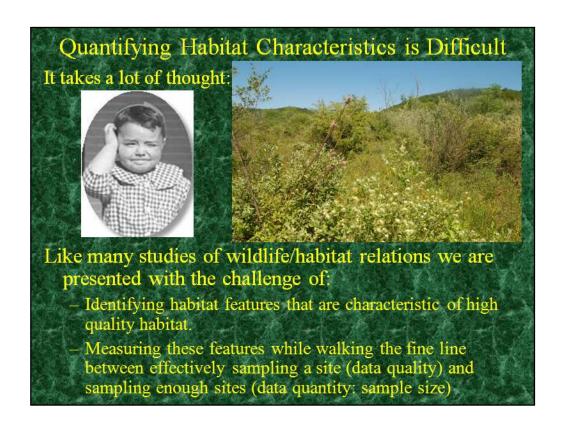
• Goals/objective statement from NFWF proposal

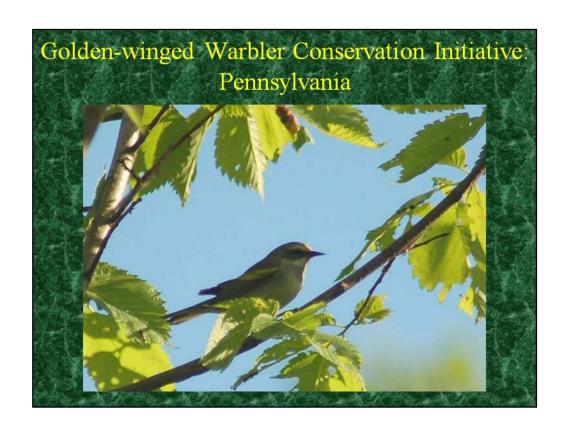
"The overall goal of this project is to document Goldenwinged Warbler population sources/sinks and to associate demographics with habitat characteristics"

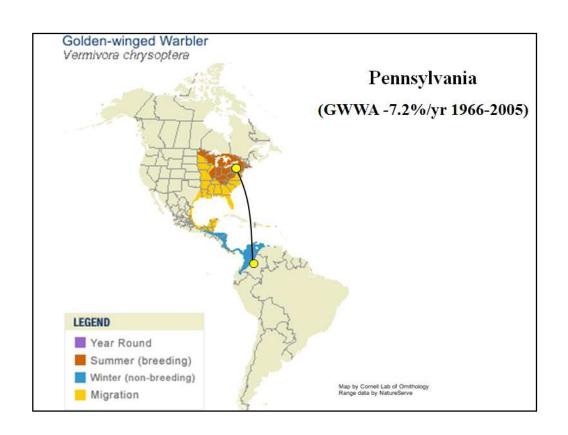
• In essence, what we are attempting to do is use golden-winged warbler demographics to identify high quality habitat.



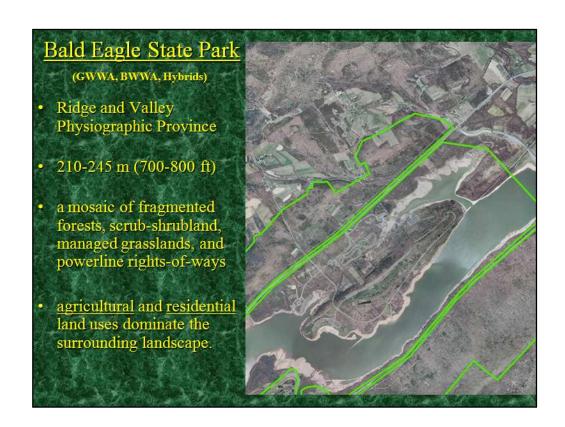


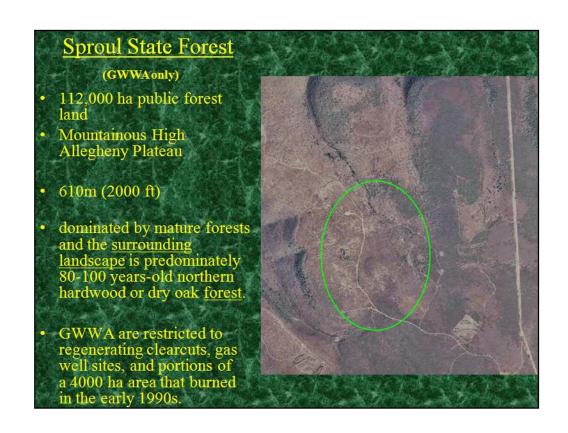


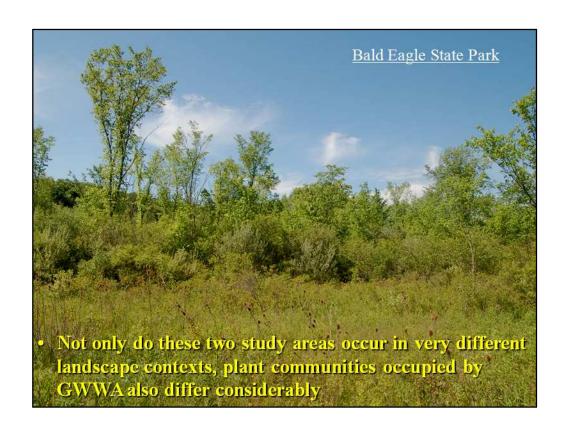




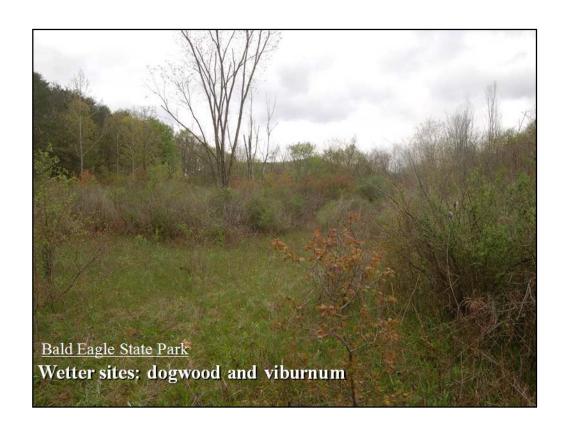






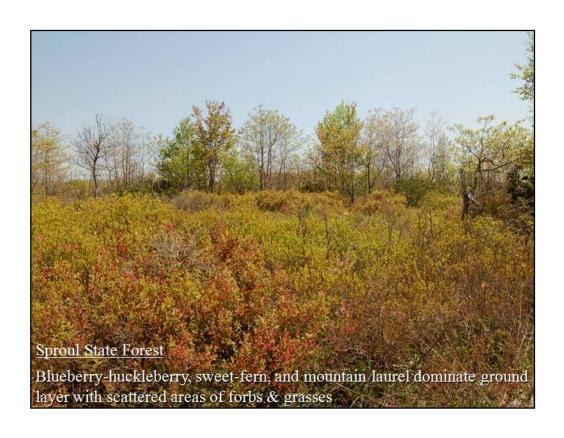




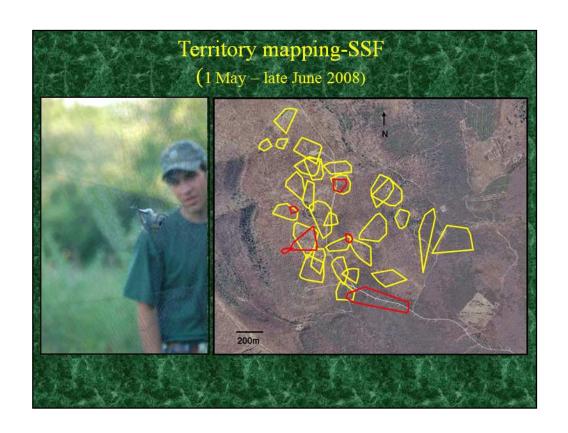


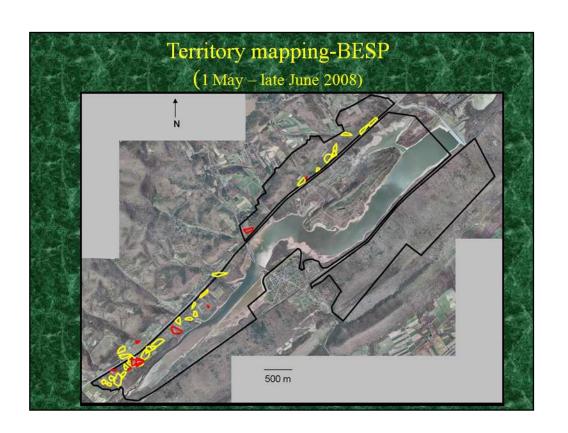


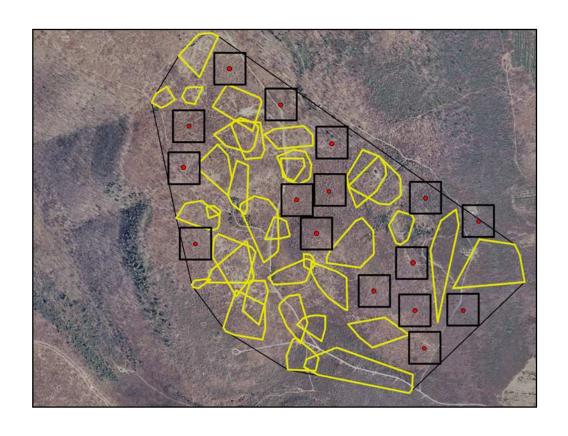


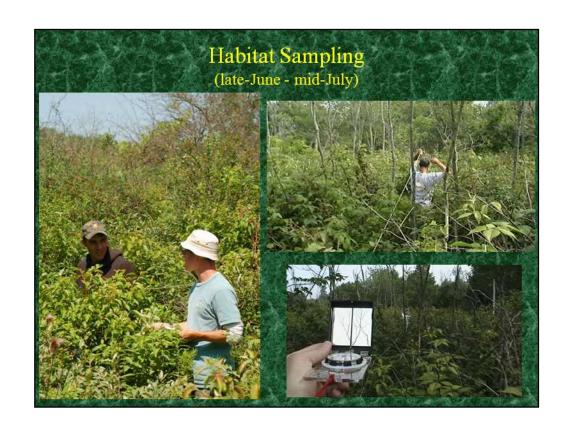


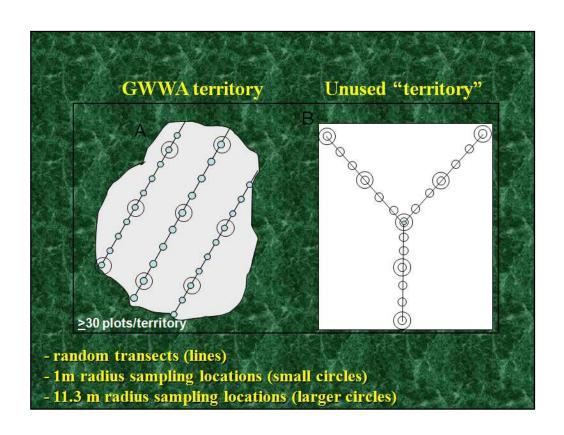


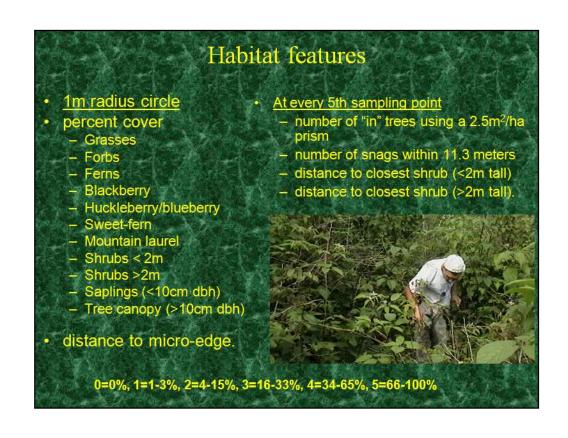


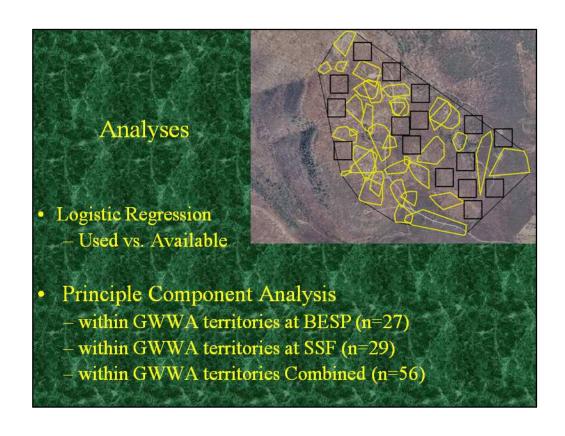




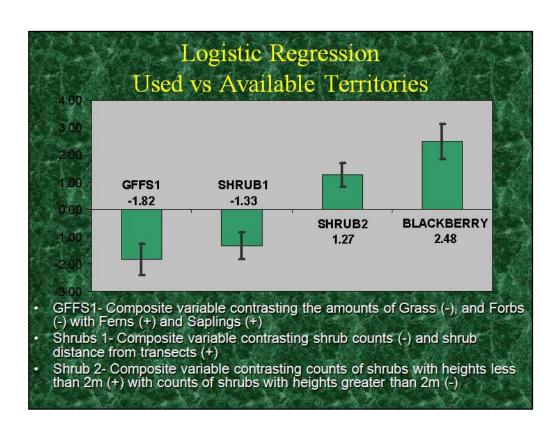


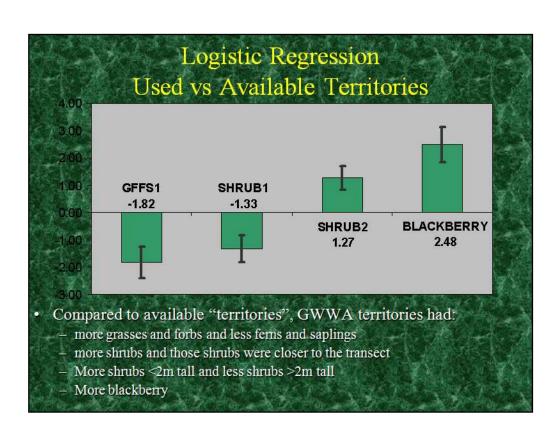


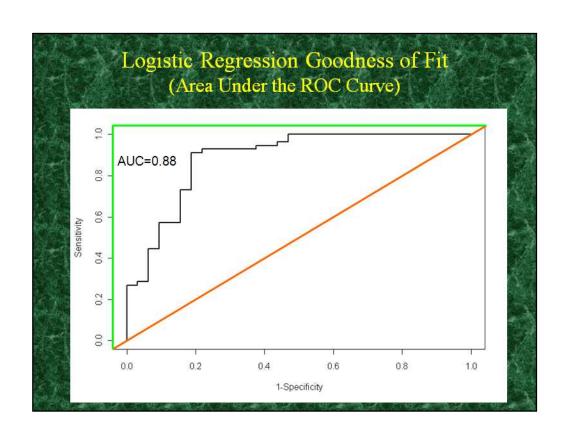




#### Habitat Measures with the Least Variation (Based on PCA) SPROUL (n=29) COMBINED (n=56) BALD EAGLE (n=27) Forb cover Shrub <2m cover Shrub <2m cover Blackberry cover Dist. micro-edge Dist. shrub >2m Dist. shrub <2m Tree count Blackberry cover Dist. shrub >2m Tree cover Snag count Shrub <2m cover Sapling cover Dist. shrub <2m Fern cover Dist. shrub < 2m Sapling cover These are the variables that contributed most to the components that varied least within GWWA territories Bolded variables were those that did not also vary least outside of GWWA territories







## Apparently important habitat features in PA

#### **PCA**

Distance to micro-edge (BESP)

Sapling cover (BESP)

Snag count (SSF)

Distance Shrub >2m (SSF)

Blackberry cover (SSF)

Distance Shrub >2m (combined)

Blackberry cover (combined)

### Logistic regression

Grasses and forbs (more)

Ferns and saplings (less)

Shrub cover <2m tall

(more)

Shrub cover >2m tall

(less)

Blackberry (more)

#### Consistent for both analyses

Distance Shrub >2m Blackberry cover Saplings

Forb

